APPENDIX B

PFPR Compliance Documentation (Sample Forms)

Table A	Identification of Wastewater Sources
Table B	Evaluation of PFPR P2, Recycle, and Reuse Practices
Table C	Summary of PFPR Compliance Decisions
Table D	Identification of Wastewater Sources and Treatment Technologies
Table E	Summary and Evaluation of Test Results

Table A: Identification of Wastewater Sources

Facility: Date:								
Stream Type	Source	Batch or Continuous	Volume Generated	Generation Frequency	Active Ingredients	Wastewater Matrix ¹	Wastewater Management ²	Comments
1. Shipping Container/ Drum Cleaning - water or solvent rinses of the containers used to ship raw material, finished products, and/or	1.a.							
waste products prior to reuse or disposal of the containers.	1.b.							
2. Bulk Tank Rinsate - cleaning of the interior of any bulk storage tank containing raw materials, intermediate blends, or finished	2.a.							
products associated with PFPR operations.	2.b.							
3. Formulating Equipment Interior Cleaning - routine cleaning, cleaning due to product	3.a.							
the interior of any formulating equipment, including formulation	3.b.							
and/or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or	3.c.							
solvent.	3.d.							

¹ Inerts (e.g., emulsifiers, surfactants), solids, detergent, etc.

² RE=reuse, TR=treatment and reuse, TD=treatment and discharge, DI=indirect discharge, DD=direct discharge, IN=incineration, DP=off-site disposal

Table A: Identification of Wastewater Sources

Facility:			-		Location:	_				
Date:	Prepared by:									
Stream Type	Source	Batch or Continuous	Volume Generated	Generation Frequency	Active Ingredients	Wastewater Matrix ¹	Wastewater Management ²	Comments		
4. Packaging Equipment Interior Cleaning - routine cleaning, cleaning due to product changeover, or special cleaning	4.a.									
of the interior of any packaging equipment, including filling or storage tanks,pipes, and hoses. Cleaning materials may include water, detergent, or solvent.	4.b.									
	4.c.									
5. Repackaging Equipment Interior Cleaning - routine cleaning, cleaning due to product	5.a.									
changeover, or special cleaning of the interior of any repackaging equipment, including filling	5.b.									
or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or solvent.	5.c.									
	5.d.									
6. Aerosol (DOT) Leak Testing - water used to perform aerosol leak tests for Department of	6.a.									
Transportation (DOT) requirements (when cans have burst).	6.b.									

¹ Inerts (e.g., emulsifiers, surfactants), solids, detergent, etc.

² RE=reuse, TR=treatment and reuse, TD=treatment and discharge, DI=indirect discharge, DD=direct discharge, IN=incineration, DP=off-site disposal

Table A: Identification of Wastewater Sources

Facility:			_		Location:			
Date:								
Stream Type	Source	Batch or Continuous	Volume Generated	Generation Frequency	Active Ingredients	Wastewater Matrix ¹	Wastewater Management ²	Comments
7. Exterior Equipment Cleaning - cleaning of the exterior of any formulating, packaging, or repackaging equipment, including	7.a.							
tanks, pipes, hoses, conveyors, etc. Cleaning materials may include water, detergent, or solvent.	7.b.							
	7.c.							
cleaning of walls in the PFPR operations areas.	8.a.							
	8.b.							
9. Floor Washing - cleaning of floors in the PFPR operations areas.	9.a.							
	9.b.							
	9.c.							

¹ Inerts (e.g., emulsifiers, surfactants), solids, detergent, etc.

² RE=reuse, TR=treatment and reuse, TD=treatment and discharge, DI=indirect discharge, DD=direct discharge, IN=incineration, DP=off-site disposal

Table A: Identification of Wastewater Sources

Facility: Date:			- -		Location: Prepared by:			
Stream Type	Source	Batch or Continuous	Volume Generated	Generation Frequency	Active Ingredients	Wastewater Matrix ¹	Wastewater Management ²	Comments
10. Leaks and Spills - cleaning of leaks and/or spills which occur during PFPR operations.	10.a.							
	10.b.							
11. Safety Equipment Cleaning - cleaning of personal protective equipment (e.g., gloves, splash aprons, boots, respirators)	11.a.							
worn by employees in PFPR operations areas.	11.b.							
12. Air Pollution Control Scrubbers - wet scrubbers used to control air emissions from PFPR operations.	12.a.							
13. Laboratory Equipment Cleaning - <i>Initial rinse of the retain sample container.</i>	13.a.							

¹ Inerts (e.g., emulsifiers, surfactants), solids, detergent, etc.

² RE=reuse, TR=treatment and reuse, TD=treatment and discharge, DI=indirect discharge, DD=direct discharge, IN=incineration, DP=off-site disposal

Table A: Identification of Wastewater Sources

Facility:			_		Location:			
Date:			_		Prepared by:			
Stream Type	Source	-	Volume Generated		Active Ingredients	Wastewater Matrix ¹	Wastewater Management ²	Comments
14.6	1.4	Otner stream	ns <u>not</u> specij	псану інсінав	ed in the P2 Alt	ernative		
14. Contaminated Precipitation Runoff - runoff from raw material storage, loading pads, final product storage, and outdoor	14.a.							
production areas.	14.b.							
15. Laboratory Equipment Cleaning - Water used to clean analytical equipment and glassware.	15.a.							
16. Aerosol (DOT) Leak Testing - Water used in non-continuous overflow baths to perform aerosol leak tests for DOT requirements	16.a.							
when no cans have burst from the last water change out.	16.b.							
17. Other Sources - other sources of waste not specifically mentioned (please specify).	17.a.							
	17.b.							
	17.c.							

¹ Inerts (e.g., emulsifiers, surfactants), solids, detergent, etc.

² RE=reuse, TR=treatment and reuse, TD=treatment and discharge, DI=indirect discharge, DD=direct discharge, IN=incineration, DP=off-site disposal

Table B: Evaluation of PFPR P2, Recycle, and Reuse Practices

	Facility:					Location:		
	Date:					Prepared by:		
					1	•		
	Table 8 Listed Practice ¹	Practice	Does Facility Use this Practice?	Source Code from Table A	Extent of Use of this Practice Observed During Audit	Could Facility Implement this Practice in the Future?	Required Justification for Modification ²	Comments
1. Fl	ow Reductio							
		Hoses used for rinsing have spray nozzles or other flow reduction devices.						
1-1		Low-volume/high-pressure rinsing equipment is used for rinsing PFPR equipment interiors (specify type of equipment) when rinsing with water.						
1-2	1	A floor scrubbing machine and/or mop and bucket is used to clean floors in liquid production areas.						
1-3		Dry production areas are swept or vacuumed prior to rinsing with water.						
		Dry production areas are rinsed with water.						
2. G	ood Houseke	eeping Practices						
2-1	2a	Facility performs preventive maintenance on valves and fittings and repairs leaks in a timely manner.						
2-2	2b	Facility places drip pans under valves and fittings where hoses and lines are routinely connected and disconnected.						
2-3	2c	Facility immediately cleans up spills and leaks in outdoor bulk storage and process areas.						
3. D	OT Test Bat							
3-1		Facility operates continuous overflow test baths with some recirculation of water.						

¹ 40 CFR 455.67

Insert the following modification codes in the column titled "Required Justification for Modification": ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)
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Table B: Evaluation of PFPR P2, Recycle, and Reuse Practices

	Facility:					Location:		
	Date:	-				Prepared by:		
			Does			Could Facility		
	Table 8 Listed Practice ¹	Practice	Facility Use this Practice?	Source Code from Table A	Extent of Use of this Practice Observed During Audit	Implement this	Required Justification for Modification ²	Comments
4. Ai	r Pollution (Controls						
4-1	6	Facility operates wet scrubbers with recirculation (periodic blowdown is allowed as needed).						
5. Re		n Rinsate of Water-Based Products		1				
5-1	1	Facility reuses drum/shipping container rinsate directly into product formulations.						
5-2		Facility stores drum/shipping container rinsate for use in future formulations of same or compatible products.						
5-3	1 /	Facility operates a staged drum rinsing station (countercurrent rinsing).						
6. Di		for Formulation of Solvent-Based Produ	ıcts					
6-1		Facility reuses drum/shipping container rinsate directly into product formulations.						
6-2		Facility stores drum/shipping container rinsate for use in future formulations of same or compatible products.						
6-3	NA	Facility uses base solvent to rinse drums.						

¹ 40 CFR 455.67

Insert the following modification codes in the column titled "Required Justification for Modification": ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

Table B: Evaluation of PFPR P2, Recycle, and Reuse Practices

	Facility:					Location:		
	Date:					Prepared by:		
	Table 8 Listed		Does Facility Use this	Source Code from	Extent of Use of this Practice Observed During	Could Facility Implement this Practice in the	Required Justification for	
	Practice ¹	Practice	Practice?	Table A	Audit	Future?	Modification ²	Comments
7. De		nipment for Solvent- and Water-Based P		1461011	Tatali	I didi C.	Widelication	Comments
7-1	9	Facility dedicates PFPR production equipment to water-based vs. solvent-based products. Dedicated solvent-based or water-based equipment may be used on a non-routine basis for non-dedicated operations, but facility may not discharge the aqueous changeover rinsate as part of their P2 allowable discharge.						
8 In	terior Rinsa	te Storage and Reuse						
8-1	10	Interior rinsate is stored for reuse in future formulations of the same or compatible product (note: does not include drum/shipping container rinsate).						
8-2	4	Dry carrier material is stored and reused in future formulation of the same or compatible product or disposed of as solid waste.						
8-3	4	Interiors of dry formulation equipment are cleaned with dry carrier prior to water rinse.						

¹ 40 CFR 455.67

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Table B: Evaluation of PFPR P2, Recycle, and Reuse Practices

	Facility:					Location:		
	Date:					Prepared by:		
	Table 8 Listed Practice ¹	Practice	Does Facility Use this Practice?	Source Code from Table A	Extent of Use of this Practice Observed During Audit	Could Facility Implement this Practice in the Future?	Required Justification for Modification ²	Comments
9. De		cess Equipment						
		Facility dedicates some portion of equipment to:						
		i. Top production products						
9-1	NA	ii. Hard-to-clean products						
		iii. Product families (attach definition of product families)						
9-2		Facility sequences production on dedicated process equipment.						
10. I	nventory Ma							
10-1	NA	Facility has an inventory management system for raw material, product, and wastewater rinsate.						
		System includes one or more of the following:						
10-2	NA	i. Central storage and access controls.						
		ii. Computerized inventory control.						
		iii. Protection from precipitation.						

¹ 40 CFR 455.67

² Insert the following modification codes in the column titled "Required Justification for Modification": ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

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Table B: Evaluation of PFPR P2, Recycle, and Reuse Practices

	Facility:				•	Location:		
	Date:				-	Prepared by:		
	Table 8 Listed Practice ¹	Practice	Does Facility Use this Practice?	Source Code from Table A	Extent of Use of this Practice Observed During Audit	Could Facility Implement this Practice in the Future?	Required Justification for Modification ²	Comments
11. 7		Written Standard Operating Procedure	es					
11-1	INIΔ	Facility provides personnel with P2 training.						
11-2		Facility has employee incentive programs encouraging P2.						
11-3		Facility has documentation of P2 practices and procedures.						
12. (Other P2 Pra	actices/Equipment						
12-1	NA							
12-2	NA							
12-3	NA							
12-4	NA							
12-5	NA							
12-6	NA							

¹ 40 CFR 455.67

Insert the following modification codes in the column titled "Required Justification for Modification": ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

Modification Code Sheet

Table B	Table 8	M - 4:6:4:	
Practice	Listed Practice	Modification Code	Description
1-1	1	NARROW	Rinsing narrow transfer lines or piping where sufficient rinsing is better achieved by flushing with water.
4-1	6	BREAKCAA	Facility demonstrates that would not be able to meet Resource Conservation Recovery Act (RCRA) or Clean Air Act (CAA) requirements.
5-1 to 5-3	7	INERT	Drum/shipping container holds inert ingredient(s) only and (1) the facility can demonstrate that, after using water conservation practices, the large concentration of inert ingredients in the formulation creates more volume than could feasibly be reused; or (2) the facility can demonstrate that the concentration of the inert in the formulation is so small that the reuse would cause a formulation to exceed the ranges allowed in the Confidential Statement of Formula (CSF) (40 CFR 158.155).
6-1 to 6-3	8	REFURB	Drums/shipping containers are going to a drum refurbisher/recycler who will only accept drums rinsed with water.
		INERT	Drum/shipping container holds inert ingredient(s) only and (1) the facility can demonstrate that, after using water conservation practices, the large concentration of inert ingredients in the formulation creates more volume than could feasibly be reused; or (2) the facility can demonstrate that the concentration of the inert in the formulation is so small that the reuse would cause a formulation to exceed the ranges allowed in the Confidential Statement of Formula (CSF) (40 CFR 158.155).
7-1	9	RECOVERY	Facility has installed and is using a solvent recovery system for the changeover rinsate (can also be used for other solvent recovery).
8-1	10	ALTDISPOSE	PAI manufacturer (or formulator contracting for toll formulating) has directed otherwise (i.e., send back to them or send for off-site disposal).
		BIOGROWTH	Facility has evidence of biological growth or product deterioration over a typical storage period (review facility data).
		DETERGENT	Facility has demonstrated that it must use a detergent to clean equipment.
		DROP	Facility is dropping registration or production of the formulation and there is no compatible formulation for reuse of the rinsates or facility can provide reasonable explanation of why it does not anticipate formulation of same or compatible formulation within the next twelve months.
		PACKAGE	Facility only performs packaging of the pesticide product from which interior rinsate is generated.
		SPACE	Facility has space limitations, BUT must still store rinsates for most frequently produced products.
NA	NA	OTHER ¹	

¹ Other practices must be approved by the permitting/control authority prior to discharge.

Table C: Summary of PFPR Compliance Decisions

Facility: Date:		Location: Prepared by:			-	
Stream Type	Source	Preliminary Compliance Decision	Comments ¹	Wastewater to be Treated?	Final Compliance Decision	Approval Date for Nonlisted Modifications
1. Shipping Container/ Drum Cleaning - water or solvent rinses of the containers used to ship raw material, finished products, and/or	1.a. 1.b.					
of the interior of any bulk storage tank containing raw materials, intermediate blends, or finished products associated with PFPR	2.a. 2.b.					
operations.						
3. Formulating Equipment Interior Cleaning - routine cleaning, cleaning due to product	3.a.					
changeover, or special cleaning of the interior of any formulating equipment, including formulation	3.b.					
and/or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or	3.c.					
solvent.	3.d.					

¹ Insert the following modification codes in the column titled "Comments": ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

Table C: Summary of PFPR Compliance Decisions

Facility:			Location:								
Date:	Prepared by:										
Stream Type	Source	Preliminary Compliance Decision	Comments ¹	Wastewater to be Treated?	Final Compliance Decision	Approval Date for Nonlisted Modifications					
4. Packaging Equipment Interior Cleaning - routine cleaning, cleaning due to product changeover, or special cleaning of the interior of any packaging equipment, including filling or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or solvent.											
5. Repackaging Equipment Interior Cleaning - routine cleaning, cleaning due to product changeover, or special cleaning of the interior of any repackaging equipment, including filling or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or solvent.	5.a. 5.b. 5.c. 5.d.										
6. Aerosol (DOT) Leak Testing - water used to perform aerosol leak tests for Department of Transportation (DOT) requirements (when cans have burst).	6.a. 6.b.										

¹ Insert the following modification codes in the column titled "Comments": ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

Table C: Summary of PFPR Compliance Decisions

Facility: Date:		Location: Prepared by:									
Stream Type	Sou	rce	Preliminary Compliance Decision	Comments ¹	Wastewater to be Treated?	Final Compliance Decision	Approval Date for Nonlisted Modifications				
7. Exterior Equipment Cleaning - cleaning of the exterior of any formulating, packaging, or repackaging equipment, including											
tanks, pipes, hoses, conveyors, etc. Cleaning materials may include water, detergent, or solvent.	7.b.										
	7.c.										
8. Exterior Wall Cleaning - cleaning of walls in the PFPR operations areas.	8.a.										
	8.b.										
9. Floor Washing - cleaning of floors in the PFPR operations areas.	9.a.										
	9.b.										
	9.c.										

Insert the following modification codes in the column titled "Comments":

ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

Table C: Summary of PFPR Compliance Decisions

Facility: Date:	Location: Prepared by:									
Stream Type	Source	Preliminary Compliance Decision	Comments ¹	Wastewater to be Treated?	Final Compliance Decision	Approval Date for Nonlisted Modifications				
10. Leaks and Spills - cleaning of leaks and/or spills which occur during PFPR operations.	10.a.									
	10.b.									
11. Safety Equipment Cleaning - cleaning of personal protective equipment (e.g., gloves, splash aprons, boots, respirators)	11.a.									
worn by employees in PFPR operations areas.	11.b.									
12. Air Pollution Control Scrubbers - wet scrubbers used to control air emissions from PFPR operations.	12.a.									
13. Laboratory Equipment Cleaning - <i>Initial rinse of the retain sample container.</i>	13.a.									

¹ Insert the following modification codes in the column titled "Comments":

ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER

(Modification Code Sheet at end of table contains a detailed explanation of each code.)

Table C: Summary of PFPR Compliance Decisions

Facility:		Location:									
Date:		<u></u>	Prepared by:			_					
Stream Type	Source	Preliminary Compliance Decision	Comments ¹	Wastewater to be Treated?	Final Compliance Decision	Approval Date for Nonlisted Modifications					
	Other streams	s <u>not</u> specifically i	ncluded in the P2 Alternati	ive							
14. Contaminated Precipitation Runoff - runoff from raw material storage, loading pads, final product storage, and outdoor production areas.	14.a. 14.b.										
15. Laboratory Equipment Cleaning - Water used to clean analytical equipment and glassware.	15.a.										
16. Aerosol (DOT) Leak Testing - Water used in non-continuous overflow baths to perform aerosol leak tests for DOT requirements	16.a.										
when no cans have burst from the last water change out.	16.b.										
17. Other Sources - other sources of waste not specifically mentioned (please specify).	17.a.										
	17.b.										
	17.c.										

Insert the following modification codes in the column titled "Comments":

ALTDISPOSE, BIOGROWTH, BREAKCAA, DETERGENT, DROP, INERT, NARROW, PACKAGE, RECOVERY, REFURB, SPACE, OTHER (Modification Code Sheet at end of table contains a detailed explanation of each code.)

Modification Code Sheet

Table B	Table 8 Listed	Modification	
Practice	Practice	Code	Description
1-1	1	NARROW	Rinsing narrow transfer lines or piping where sufficient rinsing is better achieved by flushing with water.
4-1	6	BREAKCAA	Facility demonstrates that would not be able to meet Resource Conservation Recovery Act (RCRA) or Clean Air Act (CAA) requirements.
5-1 to 5-3	7	INERT	Drum/shipping container holds inert ingredient(s) only and (1) the facility can demonstrate that, after using water conservation practices, the large concentration of inert ingredients in the formulation creates more volume than could feasibly be reused; or (2) the facility can demonstrate that the concentration of the inert in the formulation is so small that the reuse would cause a formulation to exceed the ranges allowed in the Confidential Statement of Formula (CSF) (40 CFR 158.155).
6-1 to 6-3	8	REFURB	Drums/shipping containers are going to a drum refurbisher/recycler who will only accept drums rinsed with water.
		INERT	Drum/shipping container holds inert ingredient(s) only and (1) the facility can demonstrate that, after using water conservation practices, the large concentration of inert ingredients in the formulation creates more volume than could feasibly be reused; or (2) the facility can demonstrate that the concentration of the inert in the formulation is so small that the reuse would cause a formulation to exceed the ranges allowed in the Confidential Statement of Formula (CSF) (40 CFR 158.155).
7-1	9	RECOVERY	Facility has installed and is using a solvent recovery system for the changeover rinsate (can also be used for other solvent recovery).
8-1	10	ALTDISPOSE	PAI manufacturer (or formulator contracting for toll formulating) has directed otherwise (i.e., send back to them or send for off-site disposal).
		BIOGROWTH	Facility has evidence of biological growth or product deterioration over a typical storage period (review facility data).
		DETERGENT	Facility has demonstrated that it must use a detergent to clean equipment.
		DROP	Facility is dropping registration or production of the formulation and there is no compatible formulation for reuse of the rinsates or facility can provide reasonable explanation of why it does not anticipate formulation of same or compatible formulation within the next twelve months.
		PACKAGE	Facility only performs packaging of the pesticide product from which interior rinsate is generated.
		SPACE	Facility has space limitations, BUT must still store rinsates for most frequently produced products.
NA	NA	OTHER ¹	

¹ Other practices must be approved by the permitting/control authority prior to discharge.

Table D: Identification of Wastewater Sources and Treatment Technologies

Facility:				_	Location:		
Date:				-	Prepared by:		
		Potentia	al Pollutants	Wastew	ater Treatment	: Information	
Stream Type ¹	Source	Active Ingredients	Other Pollutants	Table 10 Technology ²	Alternate Treatment Technology ²	Source for Alternative Technology	Characteristics That Hinder Treatment
1. Shipping Container/ Drum Cleaning - water or solvent rinses of the containers used to ship raw material, finished products, and/or	1.a.						
waste products prior to reuse or disposal of the containers.	1.b.						
2. Bulk Tank Rinsate - cleaning of the interior of any bulk storage tank containing raw materials, intermediate blends, or finished	2.a.						
products associated with PFPR operations.	2.b.						
3. Formulating Equipment Interior Cleaning - routine cleaning, cleaning due to product	3.a.						
changeover, or special cleaning of the interior of any formulating equipment, including formulation	3.b.						
and/or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or	3.c.						
solvent.	3.d.						

¹ Stream types marked with an asterisk ("*") do not require treatment prior to discharge to a POTW under the final PFPR pretreatment standards; however, facilities may be required to perform pretreatment by the control authority to meet local limits. Stream types marked with a plus ("+") do not require treatment prior to discharge to a POTW if they have not been commingled with stream types that do require pretreatment.

² HD = hydrolysis, AC = activated carbon, PT = precipitation, CO = chemical oxidation, P2 = pollution prevention, OT = other_____

Table D: Identification of Wastewater Sources and Treatment Technologies

Facility: Date:					Location: Prepared by:		
		Potentia	l Pollutants	Wastew	ater Treatment	Information	
Stream Type ¹	Source	Active Ingredients	Other Pollutants	Table 10 Technology ²	Alternate Treatment Technology ²	Source for Alternative Technology	Characteristics That Hinder Treatment
4. Packaging Equipment Interior Cleaning - routine cleaning, cleaning due to product changeover, or special cleaning	4.a.						
of the interior of any packaging equipment, including filling or storage tanks,pipes, and hoses. Cleaning materials may include	4.b.						
water, detergent, or solvent.	4.c.						
5. Repackaging Equipment Interior Cleaning - routine cleaning, cleaning due to product	5.a.						
changeover, or special cleaning of the interior of any repackaging equipment, including filling	5.b.						
or storage tanks, pipes, and hoses. Cleaning materials may include water, detergent, or solvent.	5.c.						
*6. Aerosol (DOT) Leak Testing - water used to perform aerosol leak tests for Department of	6.a.						
Transportation (DOT) requirements (when cans have burst).	6.b.						

¹ Stream types marked with an asterisk ("*") do not require treatment prior to discharge to a POTW under the final PFPR pretreatment standards; however, facilities may be required to perform pretreatment by the control authority to meet local limits. Stream types marked with a plus ("+") do not require treatment prior to discharge to a POTW if they have not been commingled with stream types that do require pretreatment.

² HD = hydrolysis, AC = activated carbon, PT = precipitation, CO = chemical oxidation, P2 = pollution prevention, OT = other_____

Table D: Identification of Wastewater Sources and Treatment Technologies

Facility: Date:			Location: Prepared by:				
a. m. 1	~	Active	Other	Wastew Table 10	ater Treatment Alternate Treatment	Source for	Characteristics That
Stream Type ¹	Source	Ingredients	Pollutants	Technology ²	Technology ²	Alternative Technology	Hinder Treatment
+7. Exterior Equipment Cleaning - cleaning of the exterior of any formulating, packaging, or repackaging equipment, including	/.a.						
	7.b.						
	7.c.						
+8. Exterior Wall Cleaning - cleaning of walls in the PFPR operations areas.	8.a.						
	8.b.						
9. Floor Washing - cleaning of floors in the PFPR operations areas.	9.a.						
L.	9.b.						
	9.c.						

¹ Stream types marked with an asterisk ("*") do not require treatment prior to discharge to a POTW under the final PFPR pretreatment standards; however, facilities may be required to perform pretreatment by the control authority to meet local limits. Stream types marked with a plus ("+") do not require treatment prior to discharge to a POTW if they have not been commingled with stream types that do require pretreatment.

² HD = hydrolysis, AC = activated carbon, PT = precipitation, CO = chemical oxidation, P2 = pollution prevention, OT = other_____

Table D: Identification of Wastewater Sources and Treatment Technologies

Facility: Date:							
Dute.							
Stream Type ¹	Source	Active Ingredients	Other Pollutants	Table 10 Technology ²	Alternate Alternate Treatment Technology ²	Source for Alternative Technology	Characteristics That Hinder Treatment
leaks and/or spills which occur during PFPR operations.	10.a.						
	10.b.						
*11. Safety Equipment Cleaning - cleaning of personal protective equipment (e.g., gloves, splash aprons, boots, respirators) worn by employees in PFPR operations areas.	11.a.						
	11.b.						
*12. Air Pollution Control Scrubbers - wet scrubbers used to control air emissions from PFPR operations.	12.a.						
*13. Laboratory Equipment Cleaning - Initial rinse of the retain sample container.	13.a.						

¹ Stream types marked with an asterisk ("*") do not require treatment prior to discharge to a POTW under the final PFPR pretreatment standards; however, facilities may be required to perform pretreatment by the control authority to meet local limits. Stream types marked with a plus ("+") do not require treatment prior to discharge to a POTW if they have not been commingled with stream types that do require pretreatment.

² HD = hydrolysis, AC = activated carbon, PT = precipitation, CO = chemical oxidation, P2 = pollution prevention, OT = other_____

Table D: Identification of Wastewater Sources and Treatment Technologies

Facility:				-	Location:							
Date:				=	Prepared by:							
		Potentia	al Pollutants	Wastew	ater Treatment	Information						
Stream Type ¹	Source	Active Ingredients	Other Pollutants	Table 10 Technology ²	Alternate Treatment Technology ²	Source for Alternative Technology	Characteristics That Hinder Treatment					
Other streams <u>not</u> specifically included in the P2 Alternative												
Runoff - runoff from raw material storage, loading pads, final product	14.a.											
storage, and outdoor production areas.	14.b.											
*15. Laboratory Equipment Cleaning - Water used to clean analytical equipment and glassware.	15.a.											
*16. Aerosol (DOT) Leak Testing Water used in non-continuous overflow baths to perform aerosol	16.a.											
leak tests for DOT requirements when no cans have burst from the last water change out.	16.b.											
17. Other Sources - other sources of waste not specifically mentioned (please specify).	17.a.											
	17.b.											
	17.c.											

¹ Stream types marked with an asterisk ("*") do not require treatment prior to discharge to a POTW under the final PFPR pretreatment standards; however, facilities may be required to perform pretreatment by the control authority to meet local limits. Stream types marked with a plus ("+") do not require treatment prior to discharge to a POTW if they have not been commingled with stream types that do require pretreatment.

² HD = hydrolysis, AC = activated carbon, PT = precipitation, CO = chemical oxidation, P2 = pollution prevention, OT = other_____

Table E: Summary and Evaluation of Test Results

Facility: Date:	'acility: Date:							Location: Prepared by:						
Insert your ont	imal treatment train and operating p	narameters i	n the space pro	ovided below	•									
			Design and	d Operating l	Parameters		Constituent (Concentration	Performan	ce Measures				
Technology	Primary Constituents	pН	Temperature (°C)	Other	Other	Other 	Influent (ug/L)	Effluent (ug/L)	Percent Removal	Other	Effectively Treated? (Y/N)			
		+												
		1		1	İ	1	1							

Table E: Summary and Evaluation of Test Results

Facility: Date:							Location: Prepared by:					
		Design and Operating Parameters					Constituent (Concentration	Performance Measures			
Technology	Primary Constituents	pН	Temperature (°C)	Other	Other	Other	Influent (ug/L)	Effluent (ug/L)		Other	Effectively Treated? (Y/N)	
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